

# SB2100-N

## AIR two-beam detector 100 m with integrated Heater and Alignment tool

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The new SB active infrared beams' series includes two-beam and four-beam detectors, which generate an alarm when 1 or 2 beams are interrupted, ignoring birds, small animals, dead leaves, etc.

They consist of two identical detector modules equipped with detector cells integrating both transmission and reception functions. These modules are installed facing each other over the distance to be protected providing a non-physical invisible detection zone.

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Detectors are based on a system of pulsed infrared beams, and operate on four user-selectable frequencies (channels), which allow avoiding any risk of interference between detectors.

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Thanks to an integrated alignment tool, which provide visual and audible signal, beams are much quicker and easier to align. Heater is also integrated on the beams.

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Thanks to modules interconnectivity option (offered for SB250-N, SB2100-N, SB450-N and SB4100), there are NO detection gaps between modules.

### Details

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- 2 active infrared (AIR) beams
- Outdoor range 100 m
- 4 selectable channels
- On board regulated heater
- Disqualification
- Integrated alignment tool (visual/audio)
- NO gaps in detection between modules thanks to interdetection option
- Receiver and Transceiver in one module
- Modular pillar for 180° & 360° view
- Very strong pillars up to 3 m

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## AIR two-beam detector 100 m with integrated Heater and Alignment tool

### Technical specifications

#### General

Accessory group	Perimeter / Outdoor
Type	Test tool

#### Electrical

Operating voltage	10 to 15 V
Current consumption	47 mA

#### Physical

Physical dimensions	84 x 280 x 113 mm
Net weight	0.9 kg

#### Environmental

IP rating	IP44
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#### Max. range indoors

250 m
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#### Max. range outdoors

100 m
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#### Number of beams

2
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#### Beams interruption switching mode

All beams
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#### Intrusion alarm response time

50 to 800 ms
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#### Disqualification alarm response time

60 s non-adjustable
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#### Typical duration of intrusion alarm

Duration of cell interruption, with a minimum of 4 s
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#### Beam power supply

10 to 15 VDC
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#### Beam current consumption at 12 VDC (1 module)

47 mA
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#### Heater power supply

10 to 15 VAC/VDC
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#### Heater current consumption at 12 VDC (1 module)

80mA
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#### Output relays

Alarm (NC = alarm off)
Tamper (NC = alarm off)
Disqualification (NO = alarm off)

#### Operating temperature (with heater)

- 25 to +55°C
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#### IP rating

IP44
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#### Output rating (each)

30 VDC, 500 mA
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#### Integrated alignment tool

Optical viewfinder system, LED, buzzer indicating quality of the received signal
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#### Cell direction adjustability

Vertically +/- 10°
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#### Module direction adjustability

Horizontally +/- 90°
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#### Weight

0.9 kg
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#### Dimensions (W x H x D)

84 x 280 x 113 mm
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Last updated on 23 July 2021 - 9:51